

Cumulative Author Index for 1990

Abrams, C. K., 61, 1277
Aebersold, R., 60, 532
Agabian, N., 61, 1157
Air, G. M., 61, 553
Alani, E., 61, 419
Alani, E., 61, 1089
Alberini, C., 60, 781
Albert, P. S., 61, 635
Albert, V. R., 61, 1021
Alberts, B., 60, 695
Allan, G. F., 60, 247
Allen, N. D., 61, 853
Amos, J., 61, 863
Anderson, K. V., 60, 873
Anderson, P., 60, 133
Andrews, N. W., 61, 1277
Arlinghaus, R. B., 61, 825
Arrigo, S. J., 61, 213
Artavanis-Tsakonas, S., 61, 523
Aruffo, A., 61, 1303
Ashburner, M., 61, 1
Augustin, A., 61, 397
Austin, S., 60, 351
Axel, R., 60, 697
Bachmann, M., 60, 85
Baeuerle, P. A., 61, 255
Bakalara, N., 60, 189
Baker, M. E., 60, 185
Bakken, A. H., 60, 619
Baldrick, C. J., Jr., 61, 801
Ballester, R., 61, 319
Balling, R., 61, 301
Ballinger, S. W., 61, 931
Balmain, A., 61, 407
Baltimore, D., 60, 547
Baltimore, D., 61, 1271
Baniahmad, A., 61, 505
Bankaitis, V. A., 61, 559
Banuett, F., 60, 295
Barbacid, M., 61, 647
Baumrind, N. L., 61, 231
Bazan, J. F., 61, 753
Beato, M., 60, 719
Becker, R. S., 60, 963
Bejsovec, A., 60, 133
Bendheim, P. E., 61, 185
Benezra, R., 61, 49
Berg, H. C., 60, 439
Berg, L. J., 60, 1043
Berger, E. G., 60, 821
Berger, S. L., 61, 1199
Bergmann, E., 60, 525
Berlingieri, M. T., 60, 557
Bernander, R., 60, 365
Bet, P., 60, 781
Beug, H., 61, 1035
Bhat, G. J., 61, 885
Bhattacharyya, M. K., 60, 115
Bieker, K. L., 61, 833
Biessmann, H., 61, 663
Billi, B., 61, 309
Bird, A., 60, 909
Bisher, M. E., 61, 1103
Björkroth, B., 60, 73
Blackburn, E. H., 60, 529
Blair, D. F., 60, 439
Blanchard, J.-M., 61, 485
Blobel, G., 60, 259
Block, E., 61, 223
Bluestone, J. A., 60, 451
Blum, B., 60, 189
Boeve, J. D., 61, 193
Boguski, M. S., 60, 307
Bolado, J., 61, 497
Bolger, G., 61, 319
Bolton, D. C., 61, 185
Bonetta, L., 60, 495
Bongarzone, I., 60, 557
Borowiec, J. A., 60, 181
Bosch, F. X., 61, 895
Boshart, M., 61, 895
Boshart, M., 61, 905
Braam, J., 60, 357
Brauchbar, M., 60, 429
Braun, B. R., 60, 235
Brautigan, D. L., 60, 167
Breeuwer, M., 60, 999
Bremner, R., 61, 407
Brewer, B. J., 61, 379
Brinster, R. L., 61, 1121
Broach, J. R., 61, 329
Brockhaus, M., 61, 351
Brodsky, M. H., 60, 755
Brown, A. M., 61, 769
Brown, D. D., 61, 293
Brüggemeier, U., 60, 719
Bucher, K., 60, 429
Buckler, A. J., 60, 509
Buckler, A. J., 61, 1257
Büeler, H., 60, 767
Bullock, P. A., 60, 181
Bundman, D., 61, 1103
Burgess, S., 60, 705
Burgin, A. B., 60, 405
Burtis, K. C., 61, 85
Burtis, K. C., 61, 101
Byers, B., 61, 73
Cai, M., 61, 437
Call, K. M., 60, 495
Call, K. M., 60, 509
Call, K. M., 61, 1257
Camerini, D., 60, 747
Cao, L., 61, 1089
Carroll, S. B., 60, 9
Cashman, N. R., 61, 185
Castellot, J. J., Jr., 61, 223
Castrillo, J.-L., 60, 809
Cavadore, J.-C., 60, 151
Celada, A., 61, 113
Celada, A., 61, 1166
Champagne, E., 60, 495
Chaturvedi, M., 60, 767
Chen, I. S. Y., 61, 213
Cheng, C., 61, 1103
Cheng, I. C., 61, 611
Cheng, P.-F., 60, 733
Chernjavsky, A., 61, 135
Citovsky, V., 60, 637
Claesson-Welsh, L., 61, 1051
Clary, D. O., 61, 709
Cleary, M. L., 60, 535
Cleveland, D. W., 60, 701
Coffey, R. J., 61, 1147
Coleman, T. R., 60, 415
Colicelli, J., 61, 319
Collins, R. A., 61, 685
Conway, D., 61, 647
Cooke, J., 60, 891
Cooper, M. S., 61, 135
Cornell-Bell, A. H., 61, 135
Cornet, M. E., 61, 1113
Corradin, G., 60, 63
Cortese, R., 61, 1225
Cosman, D., 60, 941
Cotsarelis, G., 61, 1329
Coulson, A., 60, 981
Couto, J. R., 60, 705
Crawford, E. T., 61, 293
Cress, A., 61, 1199
Cress, W. D., 61, 1199
Crouse, C., 60, 577
Cullen, B. R., 60, 675
Dahl, M., 60, 295
Daneholt, B., 60, 73
Dani, J. W., 61, 135
Darby, M. K., 61, 293
Dasso, M., 61, 811
Davis, L. I., 61, 965
Davis, M. M., 60, 1043
Davis, R. L., 60, 733
Davis, R. L., 61, 49
Davis, R. W., 60, 357
Davis, R. W., 61, 437
Dean, F. B., 60, 181
Dean, M., 61, 863
Dean, N., 61, 1349
DeCaprio, J. A., 60, 387
Decker, C. J., 61, 1001
Deerinck, T., 60, 809
De Francesco, R., 61, 1225
de la Fuente, J., 60, 767
Della Porta, G., 60, 557
Denker, J. A., 61, 1247
Deschenes, R. J., 61, 329
Desplan, C., 61, 475
Deutzmann, R., 60, 337
d'Hulst, M., 61, 663
Diaz-Laviada, I., 61, 1113
Diaz-Meco, M. T., 61, 1113
Dick, R. F., 60, 451
Dijkwel, P. A., 61, 1075
Dingwall, C., 60, 685
Dion, T., 61, 223
Dobson, D. E., 61, 223
Dodd, J., 61, 157
Dollé, P., 60, 809
Donaldson, J. G., 60, 821
Donghi, R., 60, 557
Dorshkind, K., 61, 557
Dorée, M., 60, 791
Dorée, M., 61, 591
Douglass, E. C., 61, 1257
Dover, G., 60, 703
Dower, S. K., 60, 941
Dowhan, W., 60, 271
Dustin, M. L., 61, 243
Dynlacht, B. D., 61, 1179
Eguchi, Y., 60, 199
Ekblom, M., 60, 337
Ekblom, P., 60, 337
Elder, R. T., 60, 531
Elices, M. L., 60, 577
Elion, E. A., 60, 649
Elkins, T., 60, 565
Ellis, H. M., 61, 27
Ellis, T. H. N., 60, 115
Ellisman, M., 60, 809
Enoch, T., 60, 665
Enos, A. P., 60, 1019
Erickson, H. P., 61, 243
Ericsson, C., 60, 73
Ernberg, I., 60, 685
Etingin, O. R., 61, 657
Evans, G. A., 61, 17
Evans, R. M., 61, 497
Falk, B. A., 60, 941
Falkow, S., 61, 1375
Fausto, N., 61, 1137
Fawell, S. E., 60, 953

Feagin, J. E., 61, 885
 Fearon, E. R., 60, 397
 Fearon, E. R., 61, 759
 Fecker, L., 60, 337
 Fedor-Chaikin, M., 61, 329
 Fehon, R. G., 61, 523
 Feinberg, M. B., 61, 1271
 Felder, S., 61, 623
 Ferguson, K., 61, 319
 Fernandez, A., 60, 151
 Fernandez, A., 61, 485
 Ferry, K., 61, 663
 Field, J., 61, 319
 Fink, G. R., 60, 649
 Fink, G. R., 61, 965
 Finlay, D. R., 60, 17
 Finney, M., 60, 5
 Fischer Lindahl, K., 60, 971
 Flanagan, P. M., 61, 1209
 Flynn, S. E., 61, 1021
 Forbes, D. J., 60, 17
 Fournier, R. E. K., 61, 895
 Fournier, R. E. K., 61, 905
 Fra, A., 60, 781
 Frank, G. D., 60, 1043
 Friedman, H. M., 61, 657
 Friend, D., 60, 941
 Frost, P., 60, 397
 Fukunaga, R., 61, 341
 Furley, A. J., 61, 157
 Furter-Graves, E. M., 61, 379
 Fusco, A., 60, 557
 Gait, M. J., 60, 685
 Gaitanaris, G. A., 61, 1013
 Galili, N., 60, 535
 Gallant, P., 60, 767
 Gallatin, W. M., 60, 45
 Garrell, J., 61, 39
 Gatanaga, T., 61, 361
 Gautier, J., 60, 487
 Gautier, J., 61, 825
 Geiduschek, E. P., 60, 235
 Gentz, R., 61, 351
 Georgi, L. L., 61, 635
 Gerrard, B., 61, 863
 Gerst, J., 61, 319
 Gerwin, N., 61, 309
 Gething, M.-J. H., 61, 383
 Geuze, H. J., 61, 171
 Giancotti, F. G., 60, 849
 Gibbs, J. B., 60, 803
 Gilbert, T., 61, 1063
 Gimpel, S., 60, 941
 Glaser, T., 60, 495
 Glaser, T., 60, 509
 Glaser, T., 61, 1257
 Glimcher, L. H., 60, 451
 Glotzer, M., 60, 487
 Gloudemans, T., 60, 281
 Go, A. S., 61, 213
 Godiska, R., 61, 1237
 Goebel, M., 60, 307
 Goebel, M. G., 61, 1165
 Goeddel, D. V., 61, 361
 Goetsh, L., 61, 73
 Goldfarb, D. S., 60, 999
 Goldstein, L. S. B., 60, 883
 Goldstein, L. S. B., 61, 991
 Golenbock, D. T., 61, 1375
 Golub, E. S., 61, 1167
 Golumbek, P., 60, 397
 Gomez, S. M., 60, 929
 Gonzalez, G. A., 60, 611
 González-Reyes, A., 61, 515
 Goodman, C. S., 60, 211
 Goodman, C. S., 60, 565
 Goodwin, R. G., 60, 941
 Goswamy, A., 60, 767
 Gottesman, M. E., 61, 1013
 Goverman, J., 60, 929
 Grandgenett, D. P., 60, 3
 Granger, G. A., 61, 361
 Green, M. R., 61, 1217
 Green, S. M., 60, 685
 Greene, M. I., 61, 1339
 Greenwald, I., 61, 939
 Gresser, I., 60, 225
 Grieco, M., 60, 557
 Griff, I. C., 61, 709
 Griffiths, G., 61, 1277
 Grisafi, P. L., 60, 649
 Grossbach, U., 60, 73
 Grusby, M. J., 60, 451
 Gruss, P., 61, 301
 Guan, J.-L., 60, 53
 Guarante, L., 61, 1199
 Guddal, P. H., 61, 1113
 Guddat, U., 60, 619
 Guthrie, C., 60, 705
 Haber, D. A., 60, 509
 Haber, D. A., 61, 1257
 Haislip, A., 61, 213
 Hajjar, D. P., 61, 657
 Halenbeck, R., 61, 769
 Hall, A., 61, 921
 Halter, S. A., 61, 1147
 Hamada, H., 60, 461
 Hamlin, J. L., 61, 1075
 Hammer, R. E., 61, 383
 Hannon, G. J., 61, 1247
 Hardwick, K. G., 61, 1349
 Harkins, R. N., 61, 1137
 Harris, A. K., 61, 927
 Hauber, J., 60, 675
 Hauri, H.-P., 60, 429
 Hauri, H.-P., 60, 821
 Heald, R., 61, 579
 Heaphy, S., 60, 685
 Hedley, C., 60, 115
 Heffron, S., 60, 525
 Heldin, C.-H., 61, 1051
 Hellman, U., 61, 1051
 Hemler, M. E., 60, 577
 Hermel, E., 60, 971
 Herr, W., 60, 375
 Herrera, R. E., 60, 141
 Herskowitz, I., 60, 295
 Hieter, P., 60, 307
 Hirano, T., 60, 319
 Hiromi, Y., 60, 211
 Hochstrasser, M., 61, 697
 Hodgkin, J., 60, 981
 Hoey, T., 61, 1179
 Hoffmann, F. M., 60, 565
 Hogan, B. L. M., 61, 1147
 Hogness, D. S., 60, 597
 Hogness, D. S., 61, 85
 Hogness, D. S., 61, 101
 Hohl, D., 61, 1103
 Hollingsworth, N. M., 61, 73
 Holm, C., 60, 1009
 Holt, J. T., 61, 1147
 Hood, L., 60, 929
 Hopkins, C. R., 61, 623
 Horikoshi, M., 61, 475
 Horikoshi, M., 61, 1171
 Horstmann, H., 61, 979
 Horvath, B., 60, 281
 Housman, D. E., 60, 495
 Housman, D. E., 60, 509
 Housman, D. E., 61, 1257
 Howley, P. M., 61, 777
 Hug, H., 60, 767
 Hunkapiller, T., 60, 929
 Hunt, T., 60, 487
 Hurt, E. C., 61, 979
 Hurwitz, J., 60, 181
 Huttner, W. B., 60, 837
 Hynes, R. O., 60, 53
 Hynes, R. O., 61, 15
 Idzarda, R., 60, 45
 Im, D.-S., 61, 447
 Ingraham, H. A., 61, 1021
 Irving, B. A., 60, 755
 Isberg, R. R., 60, 861
 Ishizaka-Ikeda, E., 61, 341
 Itaya, T., 60, 397
 Ito, C. Y., 60, 509
 Jäckle, H., 61, 309
 Jaspers, S., 60, 167
 Jeanteur, P., 61, 485
 Jeffreys, A. J., 60, 473
 Jerzy, R., 60, 941
 Jessell, T. M., 61, 157
 Jhappan, C., 61, 1137
 Jin, Y., 60, 873
 Johansen, T., 61, 1113
 Johnson, C., 61, 603
 Johnson, R., 61, 1315
 Joho, K. E., 61, 293
 Jones, C., 60, 329
 Jones, C., 60, 495
 Jones, C., 60, 509
 Jones, C. W., 61, 85
 Jones, N., 61, 9
 Jordan, C. T., 61, 953
 Jung, M. K., 61, 1289
 Junker, S., 61, 467
 Jurnak, F., 60, 525
 Kahmann, R., 60, 295
 Kaiser, C. A., 61, 723
 Kaiser, D., 61, 19
 Kambe, A., 61, 223
 Kamps, M. P., 60, 547
 Kanzaki, T., 61, 1051
 Kapiloff, M. S., 61, 1021
 Kaplan, D. R., 61, 125
 Kappler, J. W., 61, 1365
 Karagogeos, D., 61, 157
 Karasuyama, H., 60, 397
 Karim, F. D., 61, 85
 Karin, M., 60, 809
 Karn, J., 60, 685
 Karpen, G. H., 61, 61
 Kacsak, R. J., 61, 185
 Kass, S., 60, 897
 Kassavetis, G. A., 60, 235
 Kataoka, T., 61, 319
 Kaziro, Y., 60, 803
 Keck, J. G., 61, 801
 Kelleher, R. J., III, 61, 1209
 Kelly, R. B., 61, 5
 Kemper, B., 60, 329
 Kenyon, C., 60, 123
 Kern, H., 61, 979
 Kerr, L. D., 61, 267
 Kessel, M., 61, 301
 Khaw, K.-T., 61, 863
 Kiehart, D. P., 60, 347

Kim, S. K., 61, 19
 Kinoshita, N., 60, 319
 Kirschner, M. W., 61, 561
 Klausner, R. D., 60, 821
 Kleckner, N., 61, 419
 Kleckner, N., 61, 1089
 Klein, G., 60, 337
 Klein, R., 61, 647
 Klein-Hitpass, L., 60, 247
 Klemesz, M. J., 61, 113
 Klemesz, M. J., 61, 1166
 Klitz, W., 60, 895
 Knight, K. L., 60, 963
 Knorr, D., 60, 637
 Knust, E., 61, 787
 Köhne, A. C., 61, 505
 Kohr, W. J., 61, 361
 Koller, K. J., 61, 361
 Kooh, P. J., 61, 523
 Kornberg, R. D., 61, 1209
 Koslowsky, D. J., 61, 885
 Kostura, M., 61, 843
 Kral, A., 60, 509
 Kuhl, D., 60, 767
 Labbé, J.-C., 60, 151
 Labbé, J.-C., 60, 791
 Labbé, J. C., 61, 591
 Lahka, M., 60, 487
 Lahm, H.-W., 61, 351
 Lamb, N. J. C., 60, 151
 Lamb, N. J. C., 61, 485
 Lane, D. J., 60, 405
 Larrodera, P., 61, 1113
 Lassar, A. B., 60, 733
 Laug, W. E., 60, 929
 Laver, W. G., 61, 553
 Lavker, R. M., 61, 1329
 Lawrence, J. B., 61, 1168
 Lazarides, E., 60, 415
 Lee, A., 61, 361
 Lee, D. C., 61, 1121
 Lees, J. A., 60, 953
 Lehner, C. F., 61, 535
 Lemischka, I. R., 61, 953
 Lendahl, U., 60, 585
 Lentz, R., 61, 361
 Leong, J. M., 60, 861
 Leppert, M., 61, 863
 Lesslauer, W., 61, 351
 Levin, S. D., 60, 755
 Levine, A. J., 61, 1315
 Levitsky, H. I., 60, 397
 Lewin, B., 61, 743
 Lewin, B., 61, 1161
 Lewis, M., 61, 361
 Lewis, M. J., 61, 1359
 Lewis, W. H., 60, 495
 Lewis, W. H., 60, 509
 Lezza, A. M. S., 61, 931
 Li, X.-M., 61, 603
 Lichti, U., 61, 1103
 Liem, R. K. H., 60, 521
 Lill, R., 60, 271
 Lippincott-Schwartz, J., 60, 821
 Littman, D. R., 60, 755
 Liu, F., 61, 1217
 Livingston, D. M., 60, 387
 Lobb, R. R., 60, 577
 Lockshon, D., 61, 49
 Loertscher, R., 61, 185
 Loetscher, H., 61, 351
 Lohka, M., 60, 487
 Longley, M. A., 61, 1103
 Lopez-Barahona, M., 61, 1113
 Lott, M. T., 61, 931
 Loveland, B., 60, 971
 Lowe, A. D., 60, 685
 Lu, H., 61, 223
 Lu, P., 61, 558
 Ludlow, J. W., 60, 387
 Luetteke, N. C., 61, 1121
 Luhowskyj, S., 60, 577
 Lundblad, V., 60, 529
 Lutfalla, G., 60, 225
 Lyons, R. M., 61, 777
 MacDonald, N. J., 60, 767
 Maden, M., 60, 187
 Maguire, D., 60, 767
 Maire, P., 61, 279
 Maizels, N., 60, 887
 Maizels, N., 61, 917
 Maki, R. A., 61, 113
 Maki, R. A., 61, 1166
 Malim, M. H., 60, 675
 Maller, J. L., 60, 487
 Maller, J. L., 61, 825
 Malone, R. E., 61, 375
 Manalo, D., 61, 157
 Mangelsdorf, D. J., 61, 497
 Mann, R. S., 60, 597
 March, C. J., 60, 941
 Maroney, P. A., 61, 1247
 Marrack, P., 61, 1365
 Marshak, D. R., 61, 928
 Marshall, M. S., 60, 803
 Marshallsay, B., 61, 979
 Martin, B. L., 60, 167
 Martin, C., 60, 115
 Martin, T., 60, 295
 Maryanski, J. L., 60, 63
 Mason, J. M., 61, 663
 Mathews, M. B., 61, 843
 Matrisian, L. M., 61, 267
 Matsui, Y., 61, 1147
 Matsumoto, K., 60, 803
 Matter, K., 60, 429
 Matthias, P., 61, 467
 McAllister, L., 60, 565
 McCarn, D. F., 60, 675
 McCormick, F., 61, 125
 McCormick, F., 61, 769
 McDonald, H. B., 61, 991
 McKay, R. D. G., 60, 585
 McKearn, J. P., 61, 953
 McKee, B. D., 61, 61
 McKeithan, T. W., 60, 991
 McKeon, F., 61, 579
 McKercher, S. R., 61, 113
 McKercher, S. R., 61, 1166
 Mehrel, T., 61, 1103
 Melillo, R. M., 60, 557
 Mellentin, J. D., 60, 535
 Mellits, K. H., 61, 843
 Melnick, M., 61, 1303
 Meluh, P. B., 60, 1029
 Menzel, P., 60, 611
 Merlini, G. T., 61, 1137
 Metcalf, D., 61, 756
 Meyer, F., 60, 767
 Meyer, J., 60, 45
 Michaeli, T., 61, 319
 Miller, D. B., 61, 267
 Miller, K., 61, 623
 Miller, T. B., 60, 167
 Milstein, C., 60, 781
 Minden, M., 60, 495
 Minshull, J., 60, 487
 Miyazono, K., 61, 1051
 Mlodzik, M., 60, 211
 Model, P., 61, 739
 Modolell, J., 61, 39
 Moehren, G., 61, 623
 Mohandas, T., 61, 603
 Monaci, P., 61, 1225
 Montminy, M. R., 60, 611
 Moore, P. D., 60, 95
 Moran, E., 61, 777
 Morata, G., 61, 515
 Moreau-Gachelin, F., 61, 1166
 Morén, A., 61, 1051
 Moreno, S., 61, 549
 Morikawa, K., 60, 319
 Mörl, M., 60, 629
 Morris, N. R., 60, 1019
 Morrison, D. K., 61, 125
 Morton, S. B., 61, 157
 Moscat, J., 61, 1113
 Moses, H. L., 61, 777
 Moss, B., 61, 801
 Mueller, C. R., 61, 279
 Mugrauer, G., 60, 337
 Müller, B., 60, 329
 Müller, W. E. G., 60, 85
 Mumm, S. R., 60, 3
 Münger, K., 61, 777
 Muñoz, A., 61, 1035
 Muramatsu, M., 60, 461
 Murre, C., 60, 547
 Muskavitch, M. A. T., 61, 523
 Mutvei, A., 61, 979
 Muzychka, N., 60, 105
 Muzychka, N., 61, 447
 Nabavi, N., 60, 451
 Näf, D., 60, 767
 Nagata, S., 61, 341
 Nakafuku, M., 60, 803
 Nakagawa, J., 60, 791
 Nakagawa, J., 61, 591
 Nalbantoglu, J., 61, 185
 Namen, A. E., 60, 941
 Nauber, U., 61, 309
 Neefjes, J. J., 61, 171
 Nehrbass, U., 61, 979
 Neuberger, M., 60, 781
 Neumann, R., 60, 473
 Neupert, W., 60, 31
 Newport, J. W., 61, 811
 Ngai, J., 60, 415
 Nguyen, L. H., 60, 235
 Nicchitta, C. V., 60, 259
 Nicholson, D. W., 60, 31
 Nicosia, A., 61, 1225
 Nigg, E. A., 60, 791
 Nigg, E. A., 61, 591
 Nilsen, T. W., 61, 1247
 Nordean, S. K., 61, 825
 Nordheim, A., 60, 141
 Nordström, K., 60, 351
 Nordström, K., 60, 365
 Norris, M. L., 61, 853
 Norton, P. A., 61, 15
 Nose, A., 61, 147
 Nourse, J., 60, 535
 Nurse, P., 60, 665
 Nurse, P., 61, 549
 Nurse, P., 61, 755
 Nuzzo, M., 61, 1225
 Oakley, B. R., 61, 1289
 Oakley, C. E., 61, 1289

O'Farrell, P. H., 61, 535
 O'Hara, P. J., 61, 1063
 Ohkuma, Y., 61, 475
 Ohkuma, Y., 61, 1171
 Ohno, H., 60, 991
 Okabe, K., 61, 769
 Okamoto, K., 60, 461
 Okazawa, H., 60, 461
 Okuda, A., 60, 461
 Olofsson, A., 61, 1051
 O'Malley, B. W., 60, 247
 Osborn, L., 60, 577
 Pace, N. R., 60, 405
 Padmore, R., 61, 419
 Pallas, D. C., 60, 167
 Palmiter, R. D., 61, 1121
 Pan, Y.-C. E., 61, 351
 Pankratz, M. P., 61, 309
 Papavassiliou, A. G., 61, 1013
 Parada, L. F., 61, 647
 Parados, K., 60, 405
 Pardee, A. B., 60, 188
 Pardoll, D. M., 60, 397
 Pardue, M.-L., 61, 663
 Park, L. S., 60, 941
 Parker, M. G., 60, 953
 Patthy, L., 61, 13
 Pearlman, A. L., 61, 231
 Pedersen, S., 61, 467
 Pelham, H. R. B., 61, 1349
 Pelham, H. R. B., 61, 1359
 Pelletier, J., 60, 509
 Pelletier, J., 61, 1257
 Perlmutter, R. M., 60, 755
 Peter, M., 60, 791
 Peter, M., 61, 591
 Peters, P. J., 61, 171
 Peterson, M. G., 61, 1179
 Pfeifer, K., 60, 85
 Pfeiffer, P., 60, 921
 Pieler, T., 60, 619
 Pierotti, M. A., 60, 557
 Pietenpol, J. A., 61, 777
 Pike, J. W., 61, 497
 Piha, B., 60, 719
 Pipas, J. M., 60, 387
 Pittelkow, M. R., 61, 777
 Ploegh, H. L., 61, 171
 Polakis, P., 61, 769
 Pomerantz, R. J., 61, 1271
 Posakony, J. W., 61, 27
 Powers, S., 61, 319
 Prives, C., 61, 735
 Pugh, B. F., 61, 1179
 Pugh, B. F., 61, 1187
 Pullen, A. M., 61, 1365
 Qian, X., 61, 1339
 Raab, H., 61, 361
 Ray, D., 61, 1166
 Raymond, C. K., 61, 1063
 Rebay, I., 61, 523
 Reed, R. R., 60, 1
 Rees, D. J. G., 61, 15
 Regan, C. L., 61, 523
 Relman, D., 61, 1375
 Renkawitz, R., 61, 505
 Rice, G. C., 61, 361
 Riddle, D. L., 61, 635
 Riggs, M., 61, 319
 Riley, D., 60, 247
 Rivier, J., 60, 611
 Roberts, T. M., 60, 167
 Robey, E., 60, 697
 Rodgers, L., 61, 319
 Rodriguez, R., 60, 247
 Roeder, R. G., 61, 475
 Roeder, R. G., 61, 1171
 Roman, L. M., 61, 383
 Rose, D., 60, 1009
 Rose, E. A., 60, 495
 Rose, E. A., 60, 509
 Rose, M. D., 60, 1029
 Rosenfeld, M. G., 61, 1021
 Rothman, J. E., 61, 709
 Rothman, J. H., 61, 1063
 Rothnagel, J. A., 61, 1103
 Roy, L. M., 61, 825
 Rubin, G. M., 60, 211
 Rubock, P., 61, 1013
 Ruffner, H., 60, 767
 Ruoslahti, E., 60, 849
 Ruppert, S., 61, 895
 Rusche, J. R., 60, 675
 Russel, M., 61, 739
 Saier, M. H., Jr., 60, 185
 St. John, T., 60, 45
 Sakai, M., 60, 461
 Salemme, F. R., 60, 63
 Sambrook, J. F., 61, 197
 Sambrook, J. F., 61, 383
 Samulski, R. J., 60, 105
 Sandgren, E. P., 61, 1121
 Santoro, M., 60, 557
 Sap, J., 61, 1035
 Satoh, T., 60, 803
 Saukkonen, K., 61, 1375
 Saville, B. J., 61, 685
 Schäfer, A., 60, 921
 Schall, T. J., 61, 361
 Schedl, T., 61, 939
 Schekman, R., 61, 723
 Scheres, B., 60, 281
 Schibler, U., 61, 279
 Schlegel, R., 61, 777
 Schlesinger, R., 60, 295
 Schlessinger, J., 61, 203
 Schlessinger, J., 61, 623
 Schmelzer, C., 60, 629
 Schmid, W., 61, 895
 Schmidt, A., 61, 905
 Schoffner, J. M., 61, 931
 Schotz, M. C., 60, 451
 Schrader, W. T., 60, 247
 Schreiber, E., 61, 467
 Schröder, H.-C., 60, 85
 Schüle, R., 61, 497
 Schulz, B., 60, 295
 Schuster, G., 60, 637
 Schütz, G., 61, 895
 Schütz, G., 61, 905
 Schweizer, A., 60, 821
 Seed, B., 60, 747
 Seed, B., 61, 1303
 Segel, I. H., 61, 380
 Segesman, K. D., 60, 929
 Seibel, P., 61, 931
 Seifert, E., 61, 309
 Semenza, J. C., 61, 1349
 Seto, Y., 61, 341
 Seydoux, G., 61, 939
 Shäfer, W., 60, 295
 Shahrik, L. K., 60, 167
 Shapiro, L. J., 61, 603
 Shaw, I., 61, 185
 Sheetz, M. P., 61, 231
 Shon, J., 60, 387
 Siegelman, M. H., 61, 611
 Sikorski, R. S., 60, 307
 Silhavy, T. J., 61, 833
 Silverstein, R. L., 61, 657
 Silverstein, S. J., 61, 1013
 Sim, G.-K., 61, 397
 Simons, J. W., 60, 397
 Simons, L. F., 61, 383
 Simpson, L., 60, 189
 Simpson, L., 61, 871
 Simpson, L., 61, 879
 Singh, B., 61, 825
 Singh, M., 60, 685
 Sitia, R., 60, 781
 Siu, J., 61, 201
 Skinner, M. A., 60, 685
 Slatin, S. L., 61, 1277
 Smerdon, M. J., 61, 675
 Smiley, B. L., 61, 885
 Smith, A. M., 60, 115
 Smith, C. L., 60, 495
 Smith, G. H., 61, 1137
 Smith, J. C., 60, 891
 Smith, S. D., 60, 535
 Smith, S. J., 61, 135
 Smith-Gill, S. J., 61, 553
 Snyder, R. O., 60, 105
 Sohn, R. L., 61, 1257
 Sollner-Webb, B., 60, 897
 Sollner-Webb, B., 61, 1001
 Spaink, H., 60, 281
 Spann, D. R., 61, 27
 Spence, A. M., 60, 981
 Spiegelman, B. M., 61, 223
 Springer, T. A., 61, 243
 Stahle, C., 61, 1137
 Stamenkovic, I., 61, 1303
 Stanbridge, E., 60, 535
 Staunton, D. E., 61, 243
 Stein, R. W., 61, 777
 Steiner, C., 61, 505
 Steinert, P. M., 60, 521
 Steinert, P. M., 61, 1103
 Steitz, J. A., 60, 897
 Steven, A. C., 61, 1103
 Stevens, T. H., 61, 1063
 Stewart, A. F., 60, 141
 Stewart, C., 61, 863
 Stollorz, V., 61, 171
 Stuart, K., 61, 885
 Stuart, R. A., 60, 31
 Stunnenberg, H., 61, 1225
 Sturm, N. R., 61, 871
 Sturm, N. R., 61, 879
 Sun, T.-T., 61, 1329
 Sun, X., 60, 547
 Surani, M. A., 61, 853
 Sweet, D. J., 61, 1359
 Svanen, M., 60, 7
 Tabuchi, H., 61, 351
 Takada, Y., 60, 577
 Takeichi, M., 61, 147
 Takimoto, G., 60, 991
 Tambourin, P., 61, 1166
 Tanaka, K., 60, 803
 Tanaka, M., 60, 375
 Tavitian, A., 61, 1166
 Taylor, J. M., 61, 371
 Tazi, J., 60, 909
 Tepass, U., 61, 787
 Theill, L. E., 60, 809
 Theres, C., 61, 787
 Thode, S., 60, 921

Thoma, F., 61, 675
Thomas, W., 60, 1009
Thummel, C. S., 61, 85
Thummel, C. S., 61, 101
Tiley, L. S., 60, 675
Timpl, R., 60, 337
Tjian, R., 61, 1179
Tjian, R., 61, 1187
Toh-e, A., 60, 803
Tomei, L., 61, 1225
Tomizawa, J., 60, 199
Tooze, S. A., 60, 837
Tourkine, N., 61, 485
Travers, A. A., 60, 177
Traverse, K. L., 61, 663
Treizenberg, S. J., 61, 1199
Trono, D., 61, 1271
Tsai, M.-J., 60, 247
Tsai, S. Y., 60, 247
Tsai, S.-P., 61, 603
Tschudi, C., 61, 459
Tsuji, K., 61, 147
Tuomanen, E., 61, 1375
Turner, D. L., 61, 49
Turner, J. M., 60, 755
Tyc, K., 60, 897
Ullrich, A., 61, 203
Ullrich, A., 61, 623
Ullu, E., 61, 459
Umesono, K., 61, 497
Underhill, C. B., 61, 1303
Uzé, G., 60, 225
Vale, R. D., 60, 883
Valetti, C., 60, 781
Valgeirsdottir, K., 61, 663
Van Beveren, C., 61, 113
Van Beveren, C., 61, 1166
Van De Wiel, C., 60, 281
Van Eck, H., 60, 281
Van Kammen, A., 60, 281
Varshavsky, A., 61, 697
Vaughn, J. P., 61, 1075
Vecchio, G., 60, 557
Vennström, B., 61, 1035
Verdini, A. S., 60, 63
Vielmetter, W., 60, 921
Vogelstein, B., 60, 397
Vogelstein, B., 61, 759
Vojtek, A., 61, 319
Voss, J. W., 61, 1021
Wada, T., 61, 1339
Wade, T., 61, 1365
Wahls, W. P., 60, 95
Wakeland, E. K., 61, 611
Wallace, D. C., 61, 931
Wallace, L. J., 60, 95
Wang, C.-R., 60, 971
Ward, G. E., 61, 561
Waring, D. A., 60, 123
Watrin, A., 60, 151
Wayne, D. B., 61, 231
Weber, P. C., 60, 63
Weber, U., 60, 211
Webster, R. G., 61, 553
Weigel, N. L., 60, 247
Weihs, F., 61, 905
Weil, P. A., 61, 1171
Weinberg, W., 61, 1315
Weiner, A. M., 61, 917
Weintraub, H., 60, 695
Weintraub, H., 60, 733
Weintraub, H., 61, 49
Weissman, I. L., 61, 611
Weitsman, S. R., 61, 213
Wernstedt, C., 61, 1051
West, S. C., 60, 329
Wheland, B., 61, 319
White, M. B., 61, 863
White, R., 60, 953
Wickner, W., 60, 271
Wieland, I., 61, 319
Wigler, M., 61, 319
Wilkinson, J., 60, 535
Williams, G., 60, 781
Williams, L. T., 61, 125
Wilson, J. B., 61, 1315
Wilson, L., 61, 1021
Wilson, V., 60, 473
Wolters, A.-M., 60, 281
Wong, G., 61, 125
Wong, G. H. W., 61, 361
Wong, H., 60, 451
Wright, S. D., 61, 1375
Xu, T., 61, 523
Yaciuk, P., 61, 777
Yamamoto, K. K., 60, 611
Yamamoto, T., 61, 1171
Yanagida, M., 60, 319
Yao, M.-C., 61, 1237
Yatani, A., 61, 769
Yeger, H., 60, 495
Yeger, H., 60, 509
Yen, P. E., 61, 603
Yonekawa, H., 60, 971
Yoon, Y., 61, 1289
Yuan, L. C., 60, 821
Yuspa, S., 61, 1315
Yuspa, S. H., 61, 1103
Zabel, U., 61, 255
Zack, J. A., 61, 213
Zalensky, A., 60, 281
Zambryski, P., 60, 637
Zenke, M., 61, 1035
Ziegler, S. F., 60, 941
Zimmerman, L. B., 60, 585
Zinn, K., 60, 565
Zwartkruis, F., 60, 281

Information for Contributors (1990)

Scope of Articles

Cell publishes reports of research of exceptional significance in any area of biology. Papers will be considered for publication only if they report novel results of interest to a wide audience. *Papers should be as brief as possible and should occupy between 2 and 10 published pages; authors should not expect to present more than one paper in an issue.*

Editorial Offices

Authors in the United States should submit to the Principal Office, and authors in Europe to the European Office.

Time of Publication

We try to let authors have reviewers' comments within two to three weeks. Papers that do not conform to the general criteria for publication in *Cell* will be returned immediately to authors, without detailed review, to avoid unnecessary delay in submission elsewhere. Articles will be published within 12 weeks of acceptance. When papers are accepted subject to revision, only a single revised version will be considered, and must be submitted within six weeks of the acceptance in principle.

Submission of Manuscripts

One original and two copies of each manuscript should be submitted. Where appropriate, original photographs should be provided with each copy. When a submitted manuscript is closely related to papers that are in press or have been submitted elsewhere, it will be considered for publication in *Cell* only after copies of these papers also have been provided. *Under no circumstances will any paper be considered for Cell that contains any data that have been or will be submitted for publication elsewhere (including symposium volumes).* Nor will any paper appear in *Cell* if the authors communicate the results to the national press or comparable media before the expected date of publication.

Organization of Manuscripts

The Summary must be a single paragraph of no more than 120 words. The Results and Discussion sections may be subdivided by further headings or may be combined. Experimental Procedures follow the Discussion. Any tables and legends to figures should be typed as separate sections, following the style of the journal. Footnotes should not be used. The entire manuscript should be typed with double spacing (including table legends and references). Ten published pages of *Cell* correspond to a principal text (title through Discussion) of 17 typed pages, accompanied by <7 single-column figures. Manuscripts typed on dot-matrix printers are not acceptable. In addition to the full title, a running title of less than 50 characters should be supplied.

Only genetic loci should be italicized; journal names and Latin phrases and names will be set in Roman type. Any nonstandard abbreviations should be defined in the text when first used.

Typesetting from Disk

It will speed publication when manuscripts can be typeset directly from authors' floppy disks. It is preferable if the disk is formatted under MS-DOS (PC-DOS), but we can also handle other formats, including Macintosh. We can handle files saved in most word processor programs. Please indicate which word processor was used to generate the file, the type of computer, and the operating system. With a Macintosh computer, please save the file in the MS-DOS compatible option, if one is available.

References

Only articles that have been published or are in press may be included in the references. Authors are encouraged to rely as far as possible upon citation of articles published in primary research journals. Unpublished results (including articles submitted for publication) or personal communications should be cited as such within the text. Personal communications should be substantiated by a letter of permission. Abstracts of papers presented at meetings may not be cited.

Illustrations and Cover Art

A set of original drawings or photographs should be provided for reproduction of the figures. Original photographs should preferably be cropped to the final intended width, and be no larger than 12 inches by 10 inches. *All figures will be set to a width of 3 inches unless the authors indicate that a greater width should be used* (these distances include any lettering on the vertical axes). Nucleic acid sequences should be presented as glossy prints or original typescripts. It is preferable for magnifications to be indicated by means of a bar on the photograph. Color figures will be included only when in the reviewers' opinion they are essential, and subject to the author's agreement to defray part of the cost, at a charge of \$1250 per page.

Black and white or color prints (no slides), 5 inches by 7 inches or larger, will be considered for reproduction on the cover. Cover art should accompany submitted manuscripts, and a short descriptive summary should be included.

Proofs

Page proofs should usually be received about eight weeks after acceptance of an article. *It is necessary to regard submitted manuscripts as final texts to which no changes should be made at the proof stage apart from correction of printer's errors.*

Distribution of Material

Publication of a research article in *Cell* is taken to imply that the authors are prepared to distribute freely to interested academic researchers for their own use any clones of cells or DNA or antibodies, or other similar materials, used in the experiments that have been reported. Authors may be required to make primary data available to the Editor in cases of dispute. Nucleic acid and protein sequences published in *Cell* should be deposited in the appropriate data bank.

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 3648

BOSTON, MA

POSTAGE WILL BE PAID BY ADDRESSEE

Cell Reader Service Cards

Creative Data Center
650 South Clark Street
Chicago, Illinois 60605-9904

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 3648

BOSTON, MA

POSTAGE WILL BE PAID BY ADDRESSEE

Cell & Neuron Subscription Department

Cell Press
50 Church Street
Cambridge, MA 02138-9957

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 3648

BOSTON, MA

POSTAGE WILL BE PAID BY ADDRESSEE

PERSONAL SUBSCRIPTION FORM

Special reductions for individuals for CELL & NEURON.

PLEASE CHECK OFF WHICH SUBSCRIPTION, CELL OR NEURON, YOU WISH TO RECEIVE.

YES, please send me a 1990 (January - December) personal subscription to CELL at the special rate of \$95 (US).

Europe & Israel add \$60 for air mail. Elsewhere (outside US) add \$30 for postage.

YES, please send me a 1990 (January - December) personal subscription to NEURON at the special rate of \$94 (US).

Europe & Israel add \$40 for air mail. Elsewhere (outside US) add \$20 for postage.

PLEASE PRINT CLEARLY

Name _____

Address _____

City _____ State/Province _____

Zipcode _____ Country _____

PAYMENT (U.S. currency only, orders must be prepaid, no purchase orders please.)

RENEWAL Check MasterCard VISA
(Personal check only)

Card Number _____ Expiration Date / / / /

Signature _____

1. PRIMARY FIELD OF WORK:

(Circle one only)

- 1. Biochemistry
- 2. Cell Biology
- 3. Developmental Biology
- 4. Genetics
- 5. Immunology
- 6. Medicine
- 7. Molecular Biology
- 8. Neurobiology
- 9. Plant Biology
- 10. Virology
- 11. Other _____

2. LEVEL OF EDUCATION:

(Circle highest level)

- 1. B.A./B.S.
- 2. M.A./M.S.
- 3. M.D.
- 4. Ph.D.
- 5. M.D. & Ph.D.
- 6. Postdoctoral
- 7. Other _____

3. JOB FUNCTION:

(Circle one only)

- 1. Student
- 2. Faculty Member
- 3. Research Technician
- 4. Research Scientist
- 5. Management
- 6. Consultant
- 7. Postdoctoral
- 8. Other _____

4. PURCHASING AUTHORITY

(Circle one only)

- 1. Approve purchases
- 2. Specify purchases
- 3. Recommend purchases

5. PRINCIPAL AFFILIATION

(Circle one only)

- 1. Academic/University
- 2. Research Institute
- 3. Private Industry
- 4. Government
- 5. Hospital/Medical Center
- 6. Other _____

9012

PLEASE PRINT CLEARLY

Name _____

Position _____

Organization _____

Address _____

City _____ State _____ Zip _____

Postal Code _____ Country _____

Telephone () _____

For FREE Information

on any of the products

or services advertised

in this issue of CELL

please circle the no.(s)

that correspond to the

advertisement(s).

01	11	21	31	41	51	61	71	81	91	101	111	121
02	12	22	32	42	52	62	72	82	92	102	112	122
03	13	23	33	43	53	63	73	83	93	103	113	123
04	14	24	34	44	54	64	74	84	94	104	114	124
05	15	25	35	45	55	65	75	85	95	105	115	125
06	16	26	36	46	56	66	76	86	96	106	116	126
07	17	27	37	47	57	67	77	87	97	107	117	127
08	18	28	38	48	58	68	78	88	98	108	118	128
09	19	29	39	49	59	69	79	89	99	109	119	129
10	20	30	40	50	60	70	80	90	100	110	120	130

TO ENSURE PROCESSING, PLEASE ANSWER THE QUESTIONS BELOW.

1. PRIMARY FIELD OF WORK

(Circle only one)

- A Biochemistry
- B Cell Biology
- C Developmental Biology
- D Genetics
- E Immunology
- F Medicine
- G Molecular Biology
- H Neurobiology
- I Plant Biology
- J Virology
- K Other

2. LEVEL OF EDUCATION

(Circle highest level)

- L B.A.
- M M.A.
- N M.D.
- O Ph.D.
- P M.D. & Ph.D.
- Q Postdoctoral
- R Other

3. JOB FUNCTION

(Circle only one)

- S Student
- T Faculty Member
- U Research Technician
- V Research Scientist
- W Management
- X Consultant
- Y Postdoctoral
- Z Other

4. PURCHASING AUTHORITY

(Circle only one)

- 4. Academic/University
- 5. Research Institute
- 6. Private Industry
- 7. Government
- 8. Hospital/Medical Center

JUNE 15, 1990

Void after December 15, 1990

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL
FIRST CLASS PERMIT NO. 3648 BOSTON, MA

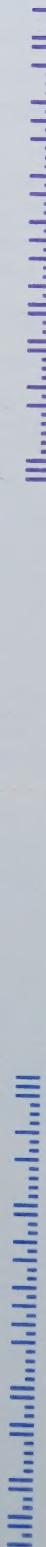
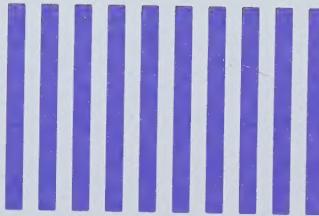
POSTAGE WILL BE PAID BY ADDRESSEE

Cell
Reader Service Cards
Creative Data Center
650 South Clark Street
Chicago, Illinois 60605-9904

BUSINESS REPLY MAIL
FIRST CLASS PERMIT NO. 3648 BOSTON, MA

POSTAGE WILL BE PAID BY ADDRESSEE

Cell & Neuron
Subscription Department
Cell Press
50 Church Street
Cambridge, MA 02138-9957



PERSONAL SUBSCRIPTION FORM

Special reductions for individuals for CELL & NEURON.

PLEASE CHECK OFF WHICH SUBSCRIPTION, CELL OR NEURON, YOU WISH TO RECEIVE.

YES, please send me a 1990 (January - December) personal subscription to **CELL** at the special rate of \$95 (US).

Europe & Israel add \$60 for air mail. Elsewhere (outside US) add \$30 for postage.

YES, please send me a 1990 (January - December) personal subscription to **NEURON** at the special rate of \$94 (US).

Europe & Israel add \$40 for air mail. Elsewhere (outside US) add \$20 for postage.

PLEASE PRINT CLEARLY

Name _____

Address _____

City _____

State/Province _____

Zipcode _____

Country _____

PAYMENT (U.S. currency only, orders must be prepaid, no purchase orders please.)

RENEWAL

Check

MasterCard

VISA

(Personal check only)

Card Number _____

Expiration Date / /

Signature _____

1. PRIMARY FIELD OF WORK:

(Circle one only)

- 1. Biochemistry
- 2. Cell Biology
- 3. Developmental Biology
- 4. Genetics
- 5. Immunology
- 6. Medicine
- 7. Molecular Biology
- 8. Neurobiology
- 9. Plant Biology
- 10. Virology
- 11. Other _____

4. PURCHASING AUTHORITY

(Circle one only)

- 1. Approve purchases
- 2. Specify purchases
- 3. Recommend purchases

2. LEVEL OF EDUCATION:

(Circle highest level)

- 1. B.A./B.S.
- 2. M.A./M.S.
- 3. M.D.
- 4. Ph.D.
- 5. M.D. & Ph.D.
- 6. Postdoctoral
- 7. Other _____

5. PRINCIPAL AFFILIATION

(Circle one only)

- 1. Academic/University
- 2. Research Institute
- 3. Private Industry
- 4. Government
- 5. Hospital/Medical Center
- 6. Other _____

9012

READER SERVICE CARD

Name _____

Position _____

Organization _____

Address _____

City _____

State _____

Zip _____

Postal Code _____

Country _____

Telephone () _____

For FREE Information
on any of the products
or services advertised
in this issue of **CELL**
please circle the no.(s)
that correspond to the
advertisement(s).

01	11	21	31	41	51	61	71	81	91	101	111	121
02	12	22	32	42	52	62	72	82	92	102	112	122
03	13	23	33	43	53	63	73	83	93	103	113	123
04	14	24	34	44	54	64	74	84	94	104	114	124
05	15	25	35	45	55	65	75	85	95	105	115	125
06	16	26	36	46	56	66	76	86	96	106	116	126
07	17	27	37	47	57	67	77	87	97	107	117	127
08	18	28	38	48	58	68	78	88	98	108	118	128
09	19	29	39	49	59	69	79	89	99	109	119	129
10	20	30	40	50	60	70	80	90	100	110	120	130

TO ENSURE PROCESSING, PLEASE ANSWER THE QUESTIONS BELOW.

1. PRIMARY FIELD OF WORK
(Circle only one)

- A Biochemistry
- B Cell Biology
- C Developmental Biology
- D Genetics
- E Immunology
- F Medicine
- G Molecular Biology
- H Neurobiology
- I Plant Biology
- J Virology
- K Other

2. LEVEL OF EDUCATION
(Circle highest level)

- L B.A.
- M M.A.
- N M.D.
- O Ph.D.
- P M.D. & Ph.D.
- Q Postdoctoral
- R Other

3. JOB FUNCTION
(Circle only one)

- S Student
- T Faculty Member
- U Research Technician
- V Research Scientist
- W Management
- X Consultant
- Y Postdoctoral
- Z Other

5. PRINCIPAL AFFILIATION
(Circle only one)

- 4 Academic/University
- 5 Research Institute
- 6 Private Industry
- 7 Government
- 8 Hospital/Medical Center

JUNE 15, 1990

Valid after December 15, 1990

4. PURCHASING AUTHORITY
(Circle only one)

- 1 Recommend Purchases
- 2 Specify Purchases

Oligos etc.

**\$4.50 per base small scale
\$7.50 per base/1.0 umole**

**No Set-Up Charge
No Purification Needed**



Unpurified Oligos

Orders Shipped in 24 - 48 Hours

Phone 800 - 888 - 2358

Fax 800 - 869 - 0813

Technical Support 203 - 438 - 3637

DNA PROBES

FROM OUR HANDS TO
YOURS WITHIN 48 HOURS

Timely and dependable delivery

of **DNA PROBES** is now available

from **AMGEN BIOLOGICALS**.

- *Specificity and consistent quality*
- *Each probe is 30 bases in length*
- *Allow the most stringent hybridization conditions.*
(Hybridize at 65° C in 6X SSC and wash at 65° C in 2X SSC)

AMGEN BIOLOGICALS offers

you our *experience* in probe

design and our *commitment*

to products of the highest quality.

HUMAN	MURINE	
EGF	IL-2	IL-1
FGF-Acidic	IL-3	IL-2
FGF-Basic	IL-4	IL-3
PDGF-A	IL-5	IL-4
PDGF-B	IL-6	IL-5
Erythropoietin	TNF	IL-6
TGF-Alpha	TGF-Beta	IL-7
TGF-Beta	LYMPHTX	IFN-gamma
IGF-1	IFN-gamma	CSF-1
IGF-2	G-CSF	G-CSF
IL-1a	GM-CSF	GM-CSF
IL-1b	M-CSF	



AMGEN
BIOLOGICALS

1900
OAK TERRACE LANE
THOUSAND OAKS,
CALIFORNIA 91320
IN CALIFORNIA
(805) 499-5725
TOLL FREE
(800) 343-7475

CAUTION:
For research use only in
laboratory animals or
in vitro testing. Not
for human use.